Cool Metal Roofing

Sustainable and Environmentally Friendly

You can save money with an *energy efficient* metal roof.

Central States' cool metal roofing products are an excellent choice for those looking to install a sustainable, energy efficient roof. Metal roofing lowers a building's heat gain through its roof, saving money on cooling costs.

Since metal roofing is sustainable and environmentally friendly, it can qualify for LEED points, tax credits, and homeowners insurance discounts. This is because of the energy efficiency, high recycled content, long life span, and fire resistance ratings of Central States' metal roofing products.

Central States' roofing products come in a wide range of emissivity and solar reflectivity values perfect for any environment.

- Can reduce Energy bills up to 40%.

- Last 2-3 times longer than traditional asphalt shingles.

- Made of up to 95% recycled content.

- Low weight allows it to be installed over a layer of shingles, saving time, money, and reducing waste.

CENTRAL® STATES
MANUFACTURING, INC.
METAL BUILDING COMPONENTS

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Compare SRI values to find the best finish for your project.

Two factors, solar reflectivity and emissivity, are considered when determining the energy efficiency of roofs. These two factors combine to make the Solar Reflectivity Index (SRI) value.

Use this chart to help you choose the best finish for your project.

COLOR	INITIAL SOLAR REFLECTIVITY	3-YEAR SOLAR REFLECTIVITY	INITIAL EMISSIVITY	SRI VALUE	ENERGY STAR STEEP SLOPE
Alamo	0.55	0.55	0.83	77	Yes
Brilliant	0.65	0.65	0.83	84	Yes
Black	0.25	0.24	0.83	25	Yes
Brown	0.25	0.25	0.83	34	Yes
Burgundy	0.25	0.25	0.83	31	Yes
Burnished Slate	0.32	0.32	0.83	35	Yes
Charcoal	0.25	0.25	0.83	39	Yes
Colony	0.32	0.32	0.83	37	Yes
Copper Metallic	0.35	0.35	0.75	43	Yes
Crimson	0.31	0.25	0.86	31	No
Desert	0.32	0.32	0.83	47	Yes
Fern	0.25	0.25	0.83	27	Yes
Forest	0.25	0.25	0.83	24	Yes
Gallery	0.25	0.25	0.83	24	Yes
Galvalume	0.77	0.51	0.08	72	No
Galvanized	0.58	0.25	0.07	32	No
Gray	0.35	0.35	0.83	52	Yes
Hawaiian	0.25	0.25	0.83	21	Yes
Hunter	0.25	0.25	0.83	37	Yes
Ivory	0.55	0.55	0.83	77	Yes
Light Stone	0.55	0.55	0.83	65	Yes
Ocean	0.25	0.25	0.87	24	Yes
Pewter Gray	0.35	0.35	0.83	52	Yes
Polar	0.55	0.55	0.83	77	Yes
Rustic	0.25	0.25	0.83	35	Yes
Tan	0.45	0.45	0.83	50	Yes
Taupe	0.35	0.35	0.83	41	Yes

Solar reflectance values are determined by means of a solar spectrum reflectometer in accordance with ASTM C 1549. Thermal emittance values are determined in accordance with ASTM C 1371 SRI is calculated in accordance to ASTM E 1980 with medium wind speed. Laboratory and Exposure site are ISO 17025 Accredited, Laboratory is also EPA Accredited. Panels are unwashed.

ENERGY STAR: a joint program of the U.S. Environmental Protection Agency and the U.S. Department of Energy working to help save money and protect the environment through energy efficient products and practices.

Solar Reflectivity: is a measure of a material's ability to reflect sunlight. This characteristic of metal roofing is the most important in terms of energy savings. Cool metal roofing reflects much of the sun's rays, making the surface of the metal much cooler than material with a lower solar reflectivity rating.

Emissivity: is the ability of a material to release absorbed heat. A low emissivity rating means the material will be hot to the touch (it doesn't release the heat), while material with a higher emissivity rating will be cooler to the touch. Therefore, metal with a low emissivity rating retains heat and may be more desirable for a cooler climate, while a high emissivity rating is more effective for saving energy in a warmer climate.

LEED Rating System: LEED stands for Leadership in Energy and Environmental Design. The LEED rating system was designed to guide and distinguish high performance buildings that have less of an impact on the environment, are healthier for those who work and/or live in them, and are more profitable than their conventional counterparts. Using metal and other "green" products can earn points towards LEED certification.